

METHOD FOR CONTROLLING A DUAL CLUTCH TRANSMISSION

ABSTRACT OF THE DISCLOSURE

A method of controlling the hydraulic actuation of the clutches and the synchronizers in a dual clutch transmission in the event of a clutch or synchronizer fault. The method includes the steps of determining which clutch is faulted when a clutch-on fault is detected, then commanding an interruption of engine torque to the faulted clutch and a neutralization of all synchronizers of the same axis shaft as the faulted clutch. The method further senses if a synchronizer actuator-on fault has occurred, then determines which synchronizer is faulted if an actuator-on fault has is detected. The method steps further include preventing the further actuation of the other synchronizers on the same axis shaft as the faulted actuator.